

中国蓼属植物二新种

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摘要 报道了中国蓼属两新种。蜀蓼(*Polygonum shuense*)与大理蓼(*P. subscapsum*)相似,但基生叶的基部渐狭,沿叶柄下延,边缘具圆齿,花白色,花柱3,离生,瘦果长卵形,无光泽可以区别。察隅蓼(*P. chayuum*)产西藏,这个新种的茎不分枝,自基部至中部无叶,仅有托叶鞘,叶着生于茎的上部,这些特征奇特,明显不同于其它种类。

关键词 蓼属,新种,蜀蓼,察隅蓼,中国

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Two New Species of *Polygonum* from China

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Abstract *Polygonum shuense* and *P. chayuum*, two new species of *Polygonum* from China, are described. *P. shuense* is similar to *P. subscapsum*, but differs by the radical leaves crenate at margins, and attenuate and decurrent at base, flowers white, styles 3 and free, and achenes long ovate and opaque. *P. chayuum* is distributed in Xizang, with stem unbranched, leaves on the upper part of stem, and only ochreas on the lower part of the stem. Such characters are unique in *Polygonum* and differ apparently from those of other species.

Key words *Polygonum*, new species, *Polygonum shuense* A. J. Li et B. J. Bao; *Polygonum chayuum* A. J. Li et B. J. Bao, China

1 蜀蓼 新种 图 1

Polygonum shuense A. J. Li et B. J. Bao Sp. nov.

Affinis *P. subscaposo* Diels, a guo foliis radicalibus basi attenuates, secus petiolos decurrentibus margine crenatis, incrassates revolutis, papillatis, stylis 3 liberis, achenio longe ovato, trigono opacum differt.

Hera perennis; Rhizoma crassum, nigro-brunneum, usque ad 3 cm. diam.; radicibus lateralibus multis. Caulis erectus, 25 cm. alt. teres gracilis simplex striolatus, 4 nodosus. Folia radicalia oblonga, 5-8 cm, longa 3-4 cm. lata, basi attenuata, secus petiolos decurrentia, apice brevi-acuminata, margine crenata incrassata revoluta papillata, superne viridia, costa robusta, nervis lateralibus et reticulatis manifes-

tis, subtus dense stellato-tomentosa, costa prominente, nervis lateralibus obscuris. Folia caulina minima, lanceolata 1-2.5 cm. longa subsessilia; ochreae tubulosae, 1.5-2.5 cm. longae, infra medium herbaceae virides, supra medium tenuiter membranaceae brunneae, apice dehiscentes obliquae. Spica densa, 2 cm. longa, 1 cm lata; bracteae oblongae, tenuiter membranaceae brunneae, 3.5-4 mm longae; pedicelli bracteas subaequantes, apice articulati; perianthium album, 5-partitum; lobis perianthiorum ellipticis, 3-4 mm. longis; stamina 8 quam perianthia longiora, antheris ellipticis; ovarium longe ovatum, stylis 3 perianthiis brevioribus liberis, stigmatibus capitatis. Achenium inclusum, longe ovatum trigonum, apice longe acutum fulvum opacum, ca. 2.5 mm. longum, 1.5 mm. latum.

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四川(Sichuan):宝兴县(Baoxing county)。Wet paces along ditches , alt. 2 260 m 2007 - 06 - 26 张超(C. Zhang)20071028(Type PE)。

多年生草本。根状茎粗壮 ,黑褐色 ,直径 3 cm 侧根多。茎直立 ,细弱 ,高 25 cm ,不分枝 ,具细条纹 4 节。基生叶椭圆形 ,长 5 ~ 8 cm ,宽 3 ~ 4 cm ,基部渐狭 ,沿叶柄下延 ,顶端短渐尖 ,边缘增厚 ,具乳突 ,外卷 ,具圆齿 ,上面绿色 ,中脉粗壮 ,侧脉及网脉明显 ,下面密被淡褐色短绒毛 ,中脉突出 ,侧脉不明显 ;茎生叶极小 ,披针形 ,长 1 ~ 2.5 cm ,近无柄 ;托叶鞘筒状 ,长 1.5 ~ 2.5 cm ,中下部草质 ,绿色 ,中上部薄膜质 ,褐色 ,上部开裂 ,偏斜。花序短穗状 ,紧密 ,长 2 cm ,宽 1 cm ;苞片椭圆形 ,薄膜质 ,褐色 ,长 3.5 ~ 4 mm ;雄蕊 8 ,比花被长 ;花药椭圆形 ,长 3 ~ 4 mm ;子房长卵形 ,具 3 锐棱 ,顶端渐尖 ,黄褐色 ,无光泽 ,长 2.5 mm ,宽 1.5 mm。

本种与大理蓼(*P. subscaposum* Diels)相近似 ,但基生叶基部渐狭 ,沿叶柄下延 ,边缘增厚外卷 ,具圆齿及乳突 ;花柱离生 ;瘦果长卵形 ,顶端渐尖 ,具 3 锐棱 ,黄褐色 ,无光泽 ,可以区别。

2 察隅蓼 新种 图 2

Polygonum chayuum A. J. Li et B. J. Bao Sp. nov.

Species *P. tortuoso* D. Don similes sed caulis simplicis , a basi ad medium sine foliis , tantum ochreatis , paniculis foliis brevioribus , e foliorum summorum axillis ortis differt.

Hera perennis. Radix palaris , longa sublignosa ; collum radiceis crassum , 1.5 - 2 cm. diam. Caules adscendentes , 12 - 15 cm. alt. numero 1 - 3 , e collo radiceis ortes , simplicis , striate , a basi ad medium sine foliis , tantum ochreatis , superne foliatis. Folia ovata , 5 - 9 cm. longa , 4 - 5 cm. lata , basi subrotundata vel subcordata , secus petiolos dilute decurrenta , apice obtusa , margine integra , breviter dense ciliate , superne viridian glabra , costa crassa , nervis

lateralibus manifestis , inferne viridula , pubescentia , costa et nervis lateralibus protuberantibus ; petioles grossis glabris , basi dilatatis ; ochreae membranaceae brunneae , longitudinaliter nervatae , superae maximae usque 2.5 cm. longae , e medio dehiscentes , oblique , margine eciliatae. Paniculae foliis breviores , e foliorum summorum axillis orate , rachibus ramisque pubescentibus ; bracteis late ovatis membranaceis , apice acutis ; pedicellis glabris 2.5 - 3 mm. longis ; perianthium viride , 5-partitum ; lobis perianthorum longe ellipticis , 2.5 - 3 mm. longis inaequalis , nervulis ; stamina 8 quam perianthia breviora ; antheris minoribus suborbiculatis ; ovarium longe ellipticum , stylis 3 distinctis , stigmatibus capitatis. Achenium longe ellipticum , trigonum , basi attenuatum , apice acutum , brunneum dilute nitidum , 4 - 5 mm. longum , exsertum.

西藏 :察隅(Tsa Wa Rung) ,恩格拉(Ngala)。Grassy slopes , alt. 3 650 m. 1935 - 08 ,王启无(C. W. Wang)66029(Type A.) ,王启无(C. W. Wang)66079。

多年生草本。根为直根 ,近木质 ,根颈粗壮 ,直径 1.5 ~ 2 cm。茎上升 ,高 12 ~ 15 cm ,1 ~ 3 个自根颈生出 ,不分枝 ,具细条纹 ,自基部至中部无叶 ,仅具托叶鞘 ,上部具叶。叶卵形 ,长 5 ~ 9 cm ,宽 4 ~ 5 cm ,基部近圆形或近心形 ,沿叶柄微下延 ,顶端圆钝 ,边缘全缘 ,密被短缘毛 ,上面绿色 ,无毛 ,中脉粗壮 ,侧脉明显 ,下面淡绿色 ,被短柔毛 ,中脉及侧脉均突出 ;叶柄无毛 ,基部稍膨大 ,长 2 ~ 2.5 cm ;托叶鞘筒状 ,膜质 ,具纵脉 ,下部的较小 ,上部的长可达 2.5 cm。圆锥花序比叶短 ,自最上部的叶腋生出 ;花序轴及分枝被短柔毛 ;花梗无毛 ,长 2.5 ~ 3 mm ;花被 5 深裂 ,绿色 ,花被片长椭圆形 ,不等大 ,长 2 ~ 3 mm ;雄蕊 8 ,比花被短 ;花药小 ,近圆形 ;子房长椭圆形 ,花柱 3 ,离生 ,柱头头状。瘦果长椭圆形 ,基部渐狭 ,顶端急尖 ,具 3 锐棱 ,长 4 ~ 5 mm ,褐色 ,微有光泽 ,伸出花被外。

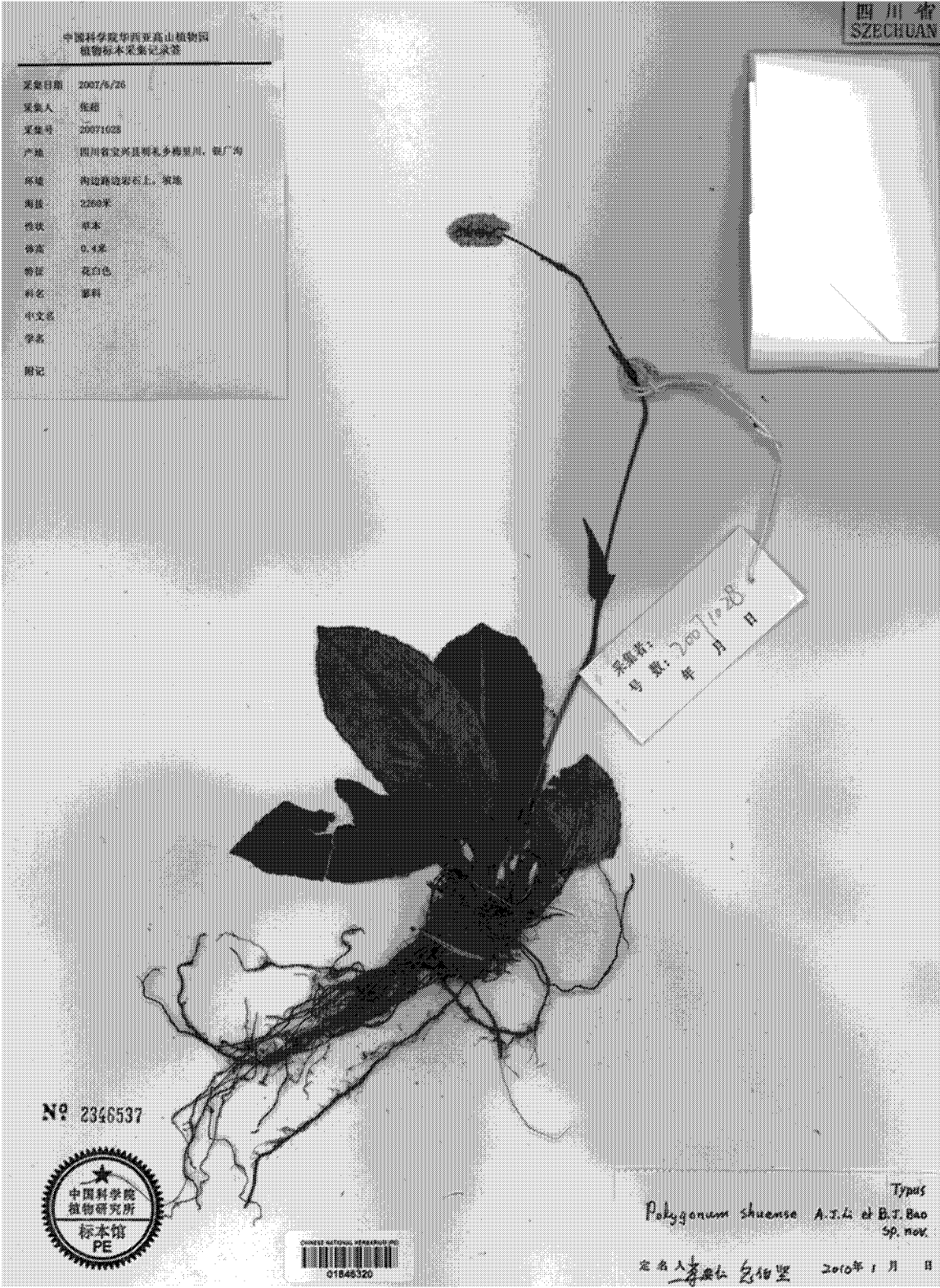


图1 蜀蓼

Fig. 1 *Polygonum shuense* A. J. Li et B. J. Bao

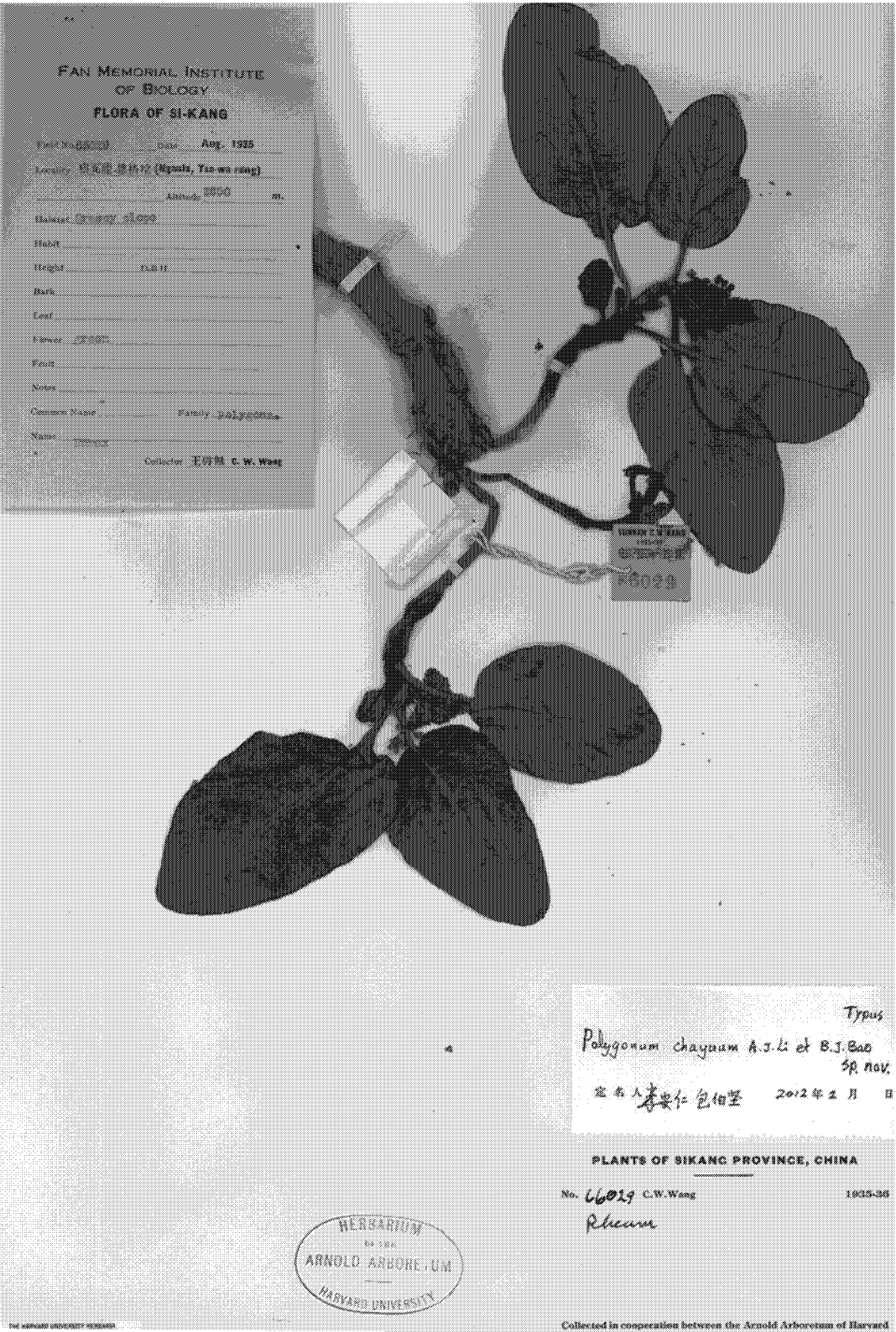


图 2 察隅蓼
Fig. 2 *Polygonum chayuum* A. J. Li et B. J. Bao